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GP/1643

Attorney Docket No.: 21402-139 (Cura-439)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS :	Bader et al.		
SERIAL NUMBER :	09/973,449	EXAMINER :	Not Yet Assigned
FILING DATE :	October 9, 2001	ART UNIT :	1643
FOR :	Efficient Tests of Association for Quantitative Traits and Affected-Unaffected Studies Using Pooled DNA		

BOX IDS
Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page);
2. Modified Form 1449/PTO (2 pages), in duplicate;
3. Cited References C1-C16; and
4. Return Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 21402-139 (Cura-439). A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,

42,167

Ivor R. Elrifi, Reg. No. 39,529
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Dated: February 11, 2002

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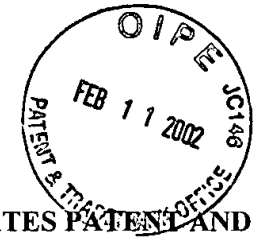

Attorney Docket No.: 21402-139 (Cura-439)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#6
Plunkett
5/14/02

APPLICANT(S): Bader et al.

SERIAL NO.: 09/973,449

FILING DATE: October 9, 2001

FOR: Efficient Tests of Association for Quantitative Traits and Affected-Unaffected Studies Using Pooled DNA

Box IDS
Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, in the above-identified case. Accordingly, no fee or certification is believed required. A copy of each of the references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 Reference No. 21402-139 (Cura-439).

Respectfully submitted,

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Modified Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/973,449
Filing Date	10/09/01
First Named Inventor	Bader
Group Art Unit	1643
Examiner Name	Not Yet Assigned
Attorney Docket Number	21402-139 (Cura-439)

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1						

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office	Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
	B1						

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Abecasiset al. (2000). "A general test of association for quantitative traits in nuclear families." *Am J Hum Genet* 66(1): 279-292.
	C2	Cargill et al. (1999). "Characterization of single-nucleotide polymorphisms in coding regions of human genes." *Nat Genet* 22(3): 231-238.
	C3	Collins et al. (1999). "Genetic epidemiology of single-nucleotide polymorphisms." *Proc Natl Acad Sci U S A* 96(26): 15173-15177.
	C4	Daniels et al. (1998). "A simple method for analyzing microsatellite allele image patterns generated from DNA pools and its application to allelic association studies." *Am J Hum Genet* 62(5): 1189-1197.
	C5	Darvasi and Soller (1994). "Selective DNA pooling for determination of linkage between a molecular marker and a quantitative trait locus." *Genetics* 138(4): 1365-1373.
	C6	Frank (1999). "Storm brews over gene bank of Estonian population." *Science* 286(5443): 1262-1263.
	C7	Fulker et al. (1995). "Multipoint interval mapping of quantitative trait loci, using sib pairs." *Am J Hum Genet* 56(5): 1224-1233.
	C8	Fulker et al. (1999). "Combined linkage and association sib-pair analysis for quantitative traits." *Am J Hum Genet* 64(1): 259-267.
	C9	Hill (1971). "Design and efficiency of selection experiments for estimating genetic parameters." *Biometrics* 27(2): 293-311.
	C10	Kimura and Crow (1978). "Effect of overall phenotypic selection on genetic change at individual loci." *Proc Natl Acad Sci U S A* 75(12): 6168-6171.
	C11	Kruglyak (1999). "Prospects for whole-genome linkage disequilibrium mapping of common disease genes." *Nat Genet* 22(2): 139-144.
	C12	Nilsson and Rose (1999). "Genetic disease. Sweden takes steps to protect tissue banks." *Science* 286(5441): 894.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C13	Ollivier et al. (1997). "The use of selection experiments for detecting quantitative trait loci." *Genet Res* 69(3): 227-232.
	C14	Risch and Teng (1998). "The relative power of family-based and case-control designs for linkage disequilibrium studies of complex human diseases I. DNA pooling." *Genome Res* 8(12): 1273-1288.
	C15	Risch (2000). "Searching for genetic determinants in the new millennium." *Nature* 405(6788): 847-56.
	C16	Sham et al. (2000). "Power of linkage versus association analysis of quantitative traits, by use of variance-components models, for sibship data." *Am J Hum Genet* 66(5): 1616-1630.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____ , filed _____ , and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.